

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 04088270
PUBLICATION DATE : 23-03-92

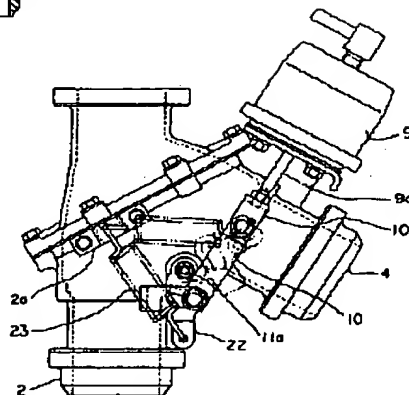
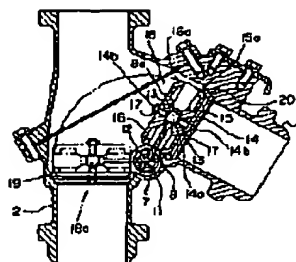
APPLICATION DATE : 27-07-90
APPLICATION NUMBER : 02200618

APPLICANT : JIDOSHA BUHIN KOGYO KK;

INVENTOR : HAYASAKA TORU;

INT.CL. : F16K 11/052 F01N 3/20 F02B 33/30

TITLE : FLOW PASSAGE SELECTING VALVE
DEVICE



ABSTRACT : PURPOSE: To secure the sufficient sealing performance without being influenced by the installation error and manufacturing error, etc., by fixing a valve body set at a valve seat part of two flow passages, at both the edge parts of a valve shaft which is freely fitted in a shaft hole at the top edge part of an arm.

CONSTITUTION: An arm 8 is pivotally installed in swingable manner at a branched part 7 of an exhaust passage 2 and a bypass 3, and the basic edge part of the arm 8 is fixed by a screw 12 on a rotary shaft 11 which is turned by an intermediate arm interlocked with an actuator. A shaft hole 8a is formed at the top edge part of the arm 8, and a valve shaft 14 having a screw part 13 in the vicinity of at least both edges is freely fitted on the shaft hole 8a, keeping a prescribed gap. Valve bodies 15 and 16 in which the tapered surfaces of the outside surface peripheral edge parts 15a and 16a are formed into spherical form are fixed by a bolt 17, on both the screw parts 13. When an actuator 9 is operated, the turning shaft 11 is turned in the counterclockwise direction, and a flow passage selecting valve 18 is selected from a closing position for a bypass passage 4 which is shown by the full line to a closing position 18a for the exhaust passage 2 which is shown by the alternate long and two short dashes line.

COPYRIGHT: (C)1992,JPO&Japio